

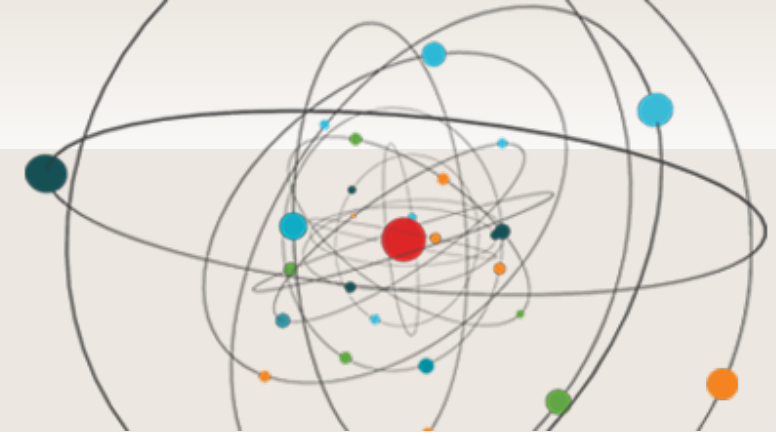
Mobile Risk Management

Addressing mobile security and compliance through a mobile risk management strategy



Dan Ford
CSO, Fixmo
daniel.ford@fixmo.com
@netsecrex

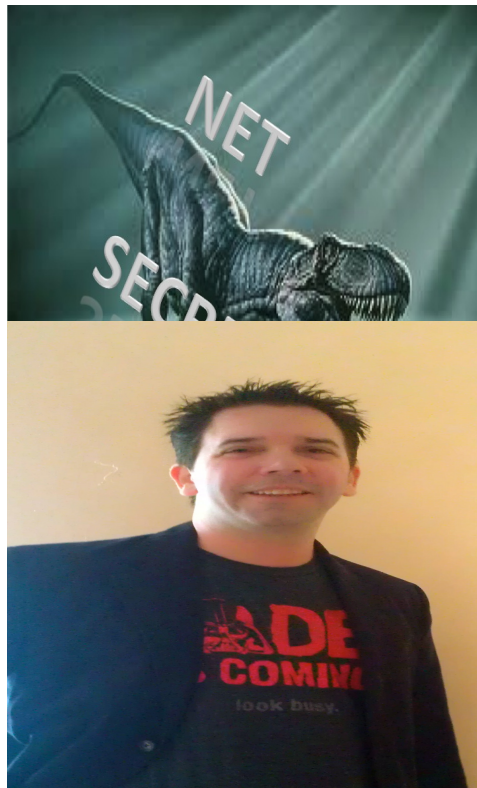
Introduction



Hello, my name is Dan Ford

And I'm the Chief Security Officer at Fixmo

Fixmo

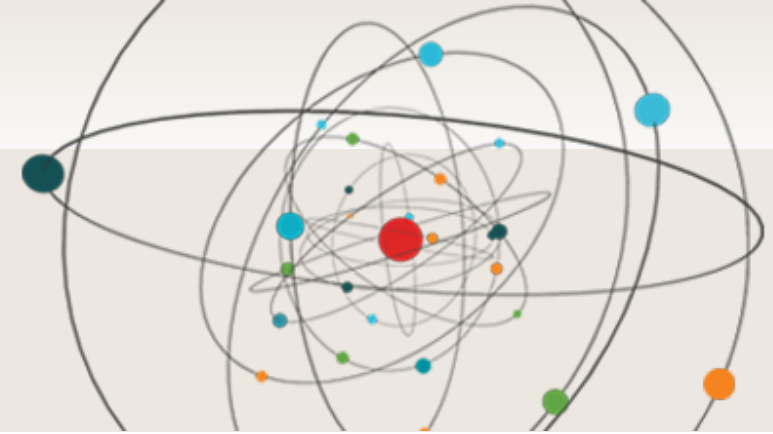


Expertise in information security and risk management across public and private sectors, commercial and regulated industries

M.S. Information Assurance and Computer Forensics from Capitol College / GWU

D.Sc. in IA with a dissertation on Enterprise Smartphone Security

Introduction



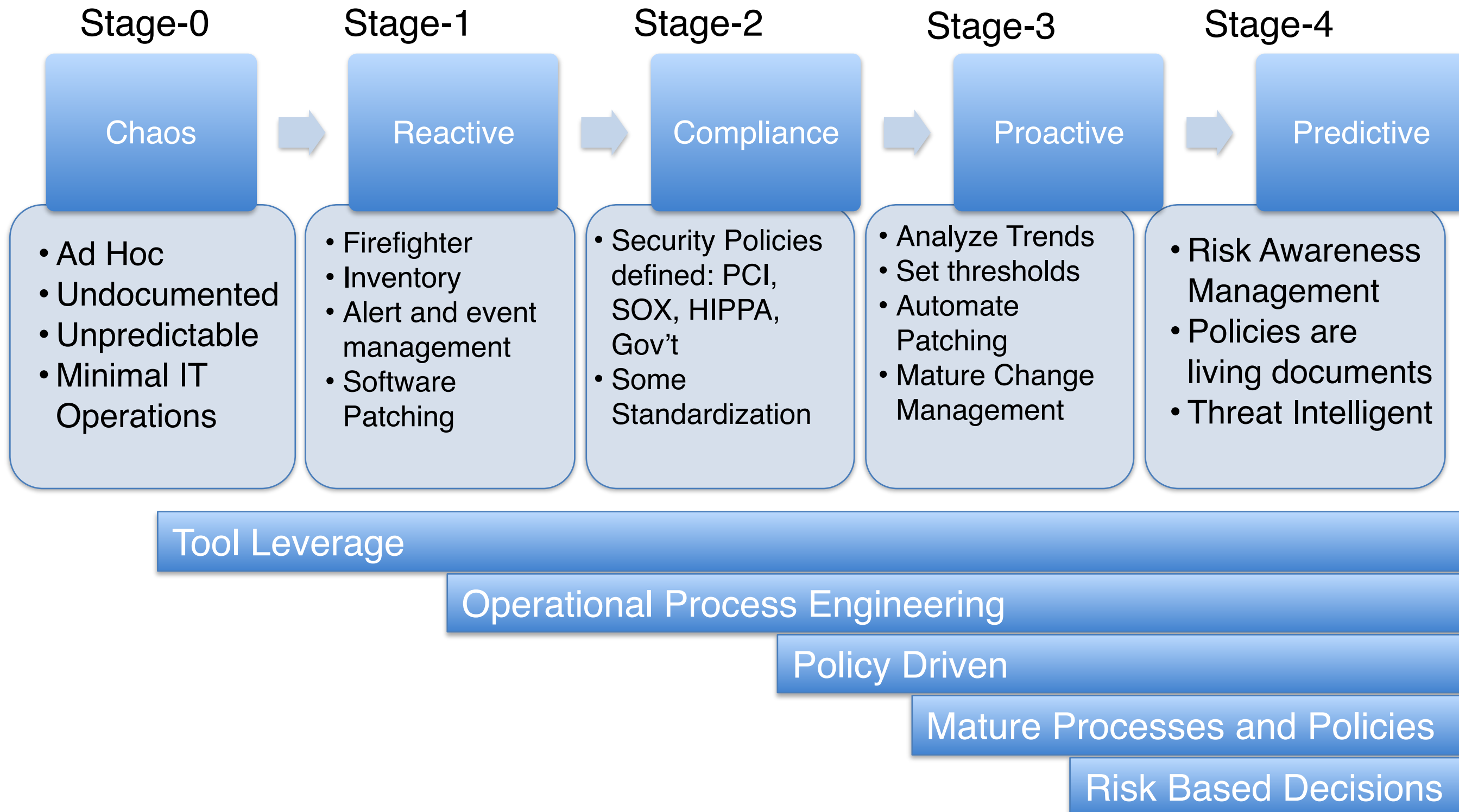
Agenda at a Glance

1. Information Security Maturity Model and how it relates to mobile device security
2. Mobile Risk Factors and Considerations
3. Fixmo's approach to Mobile Risk Management, best practices and lessons learned

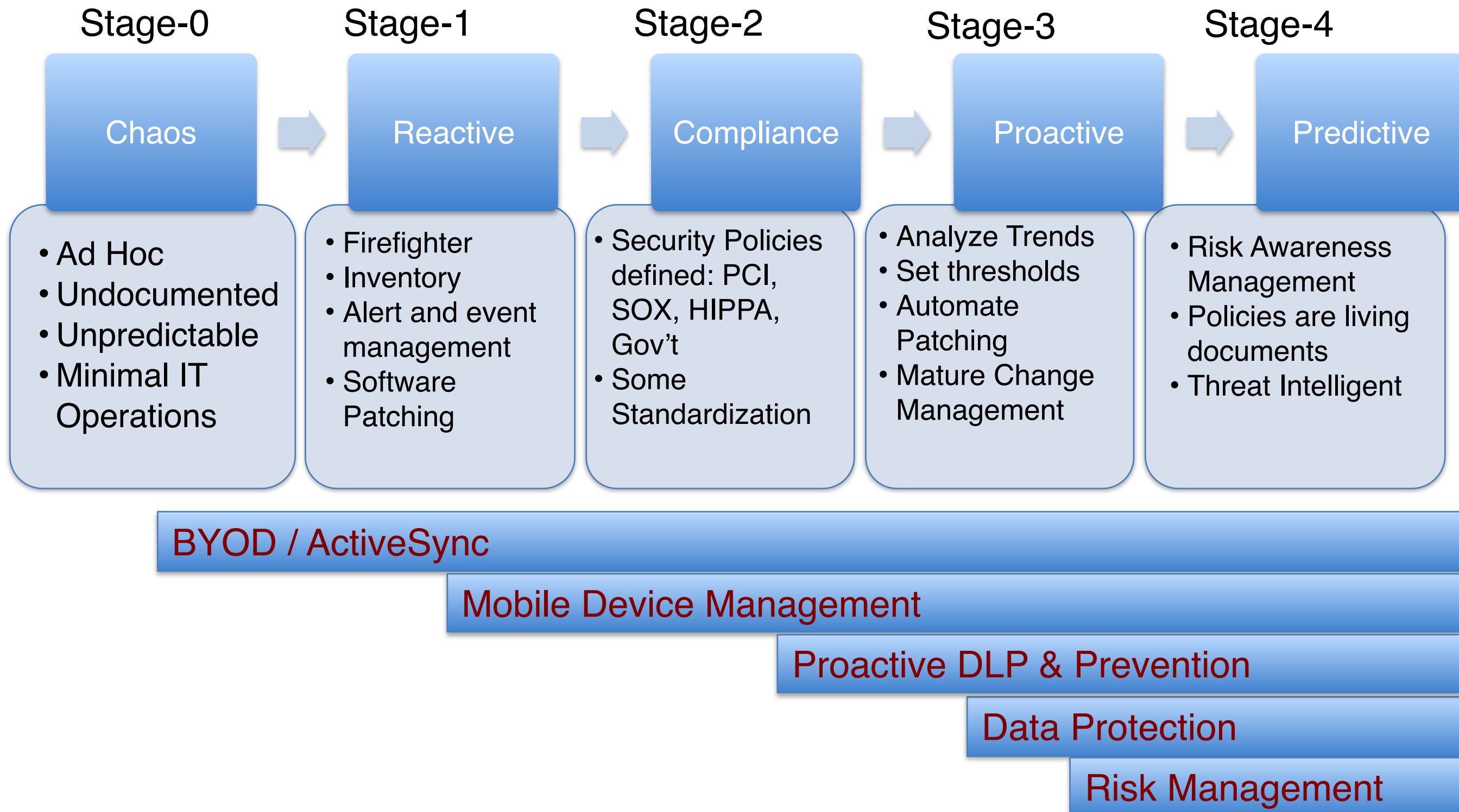
Objective:

Provide a better understanding of the mobile security landscape and the key considerations for an effective risk management strategy

Information Security Maturity Model



Mobile Security Maturity Model



Mobile Risk:



- Policy

Mobile Risk: Policy



“Ms Cheah said there are numerous elements that needs to be carefully assessed before deploying an official BYOD policy such as: device security challenges for enterprises, policy said YOD, does an enterprise has programs, procurement, operational cost in device management and support; back end standard security best practices are enforced without putting severe restrictions on an employee; management, network, finding support; legal and data etc.”

<http://searchsecurity.techtarget.com/...>
<http://www.information-management...>
<http://www.government...>

possibility;
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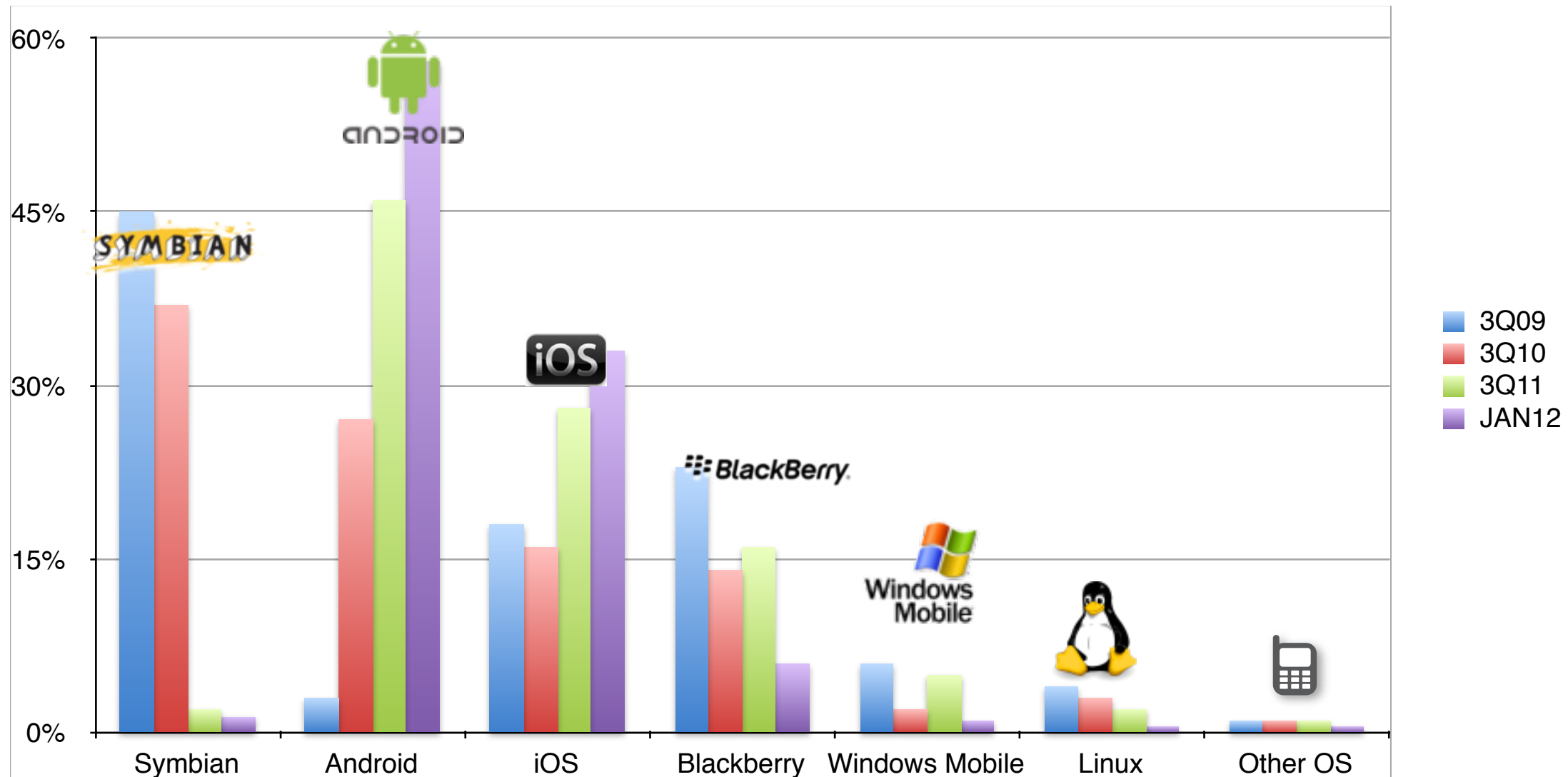


Mobile Risk:



- Policy
- Devices

Mobile Risk: Devices & OS's



89% of Smartphones purchased in Q411 were Android or iOS; 6% were Blackberry.

Mobile Risk: Vulnerabilities



Patch Early – Patch Often

TOTAL CVE

167

TOTAL CVE

65

Patch...Always



TOTAL CVE

53

Mobile Risk:



- Policy
- Devices
- The Apps

Mobile Risk: The Apps



iTunes App Store: 500,000 + Apps
25+ billion downloads



Android Market: 400,000 + Apps
8+ billion downloads



Amazon Store: 31,000+ Apps
1+ million downloads



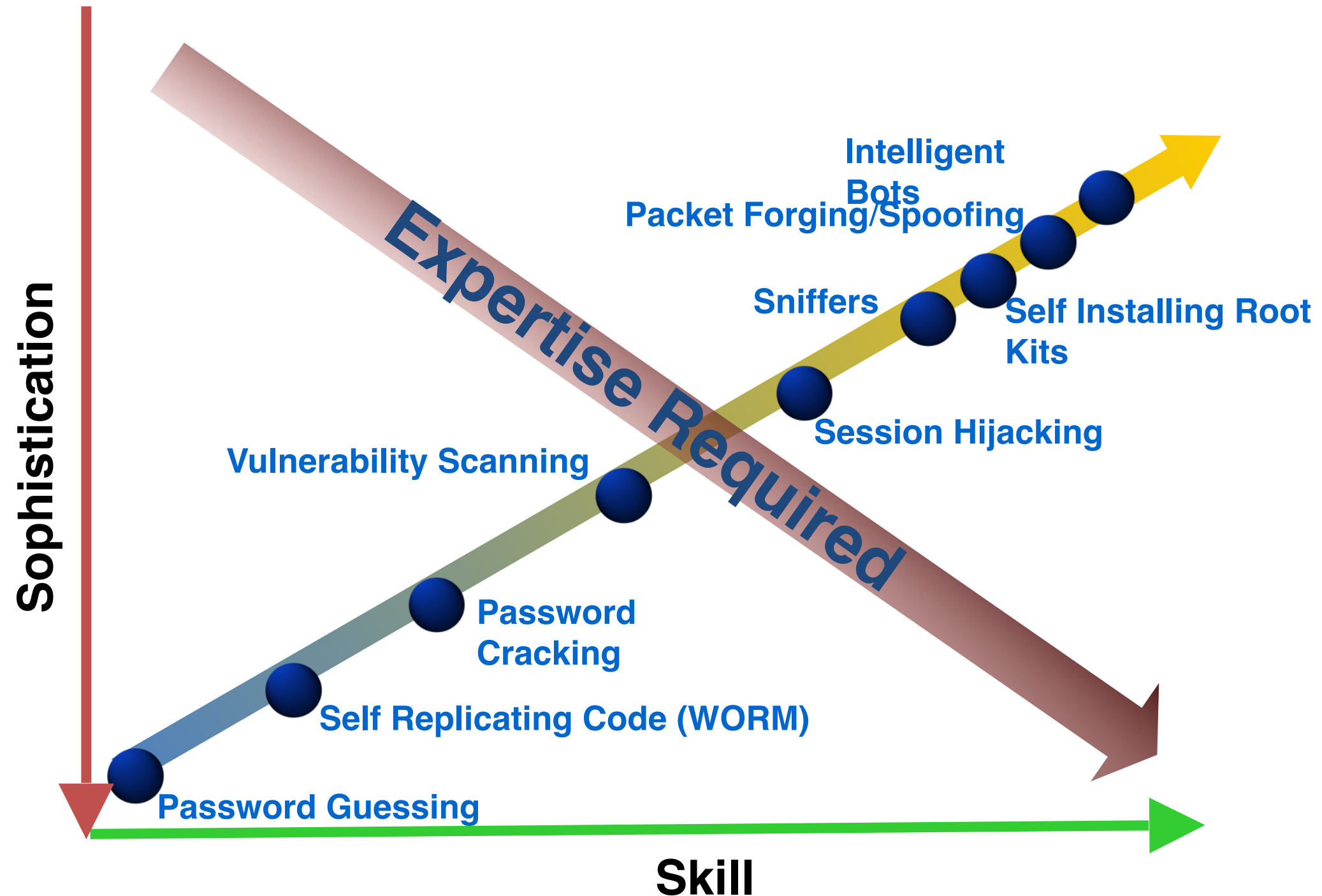
CyFi – So easy a 5th Grader... has already done it!

Mobile Risk:



- Policy
- Devices
- The Apps
- Bad Actors

Mobile Risk: Adversaries

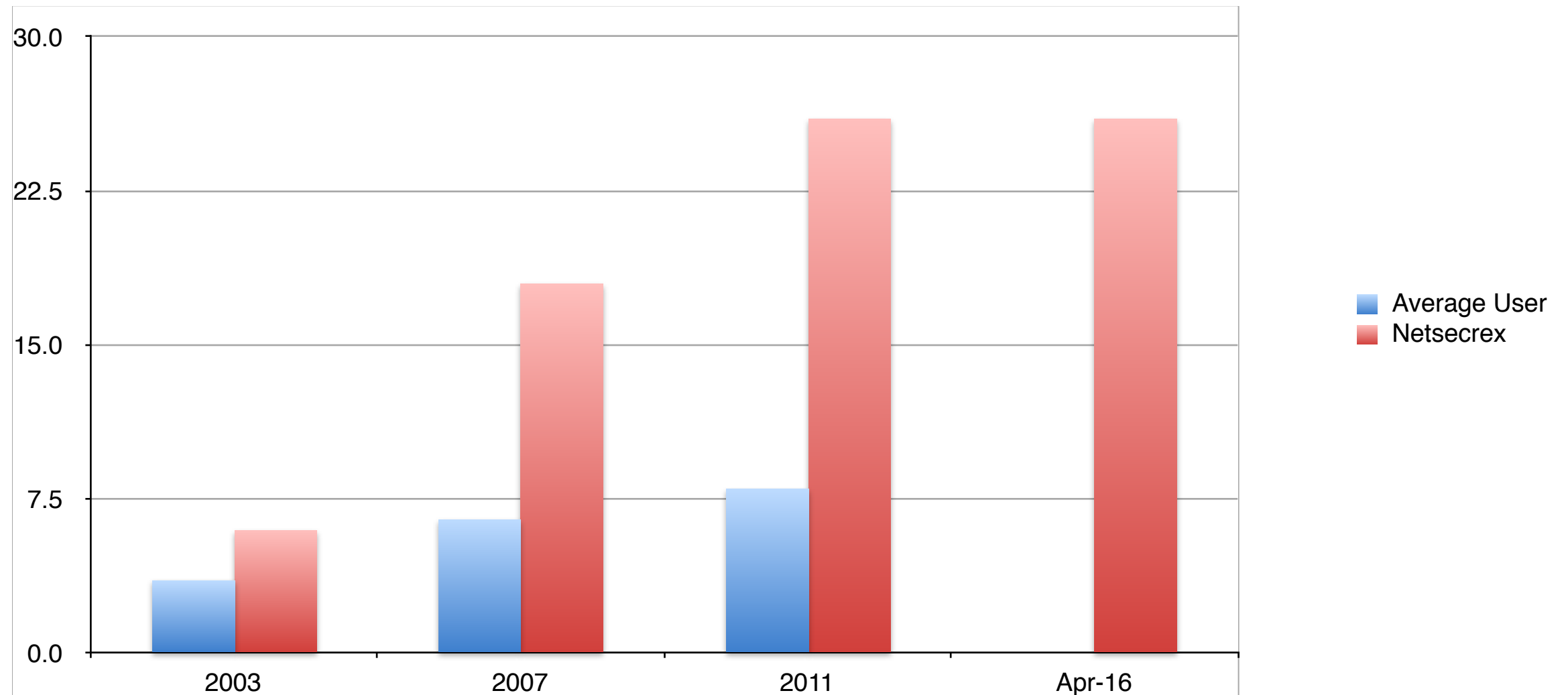


Mobile Risk:

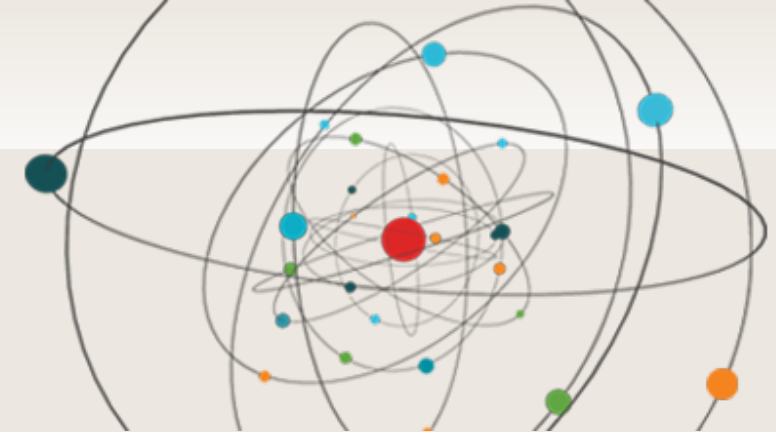


- Policy
- Devices
- The Apps
- Bad Actors
- Passwords

Mobile Risk: Passwords



Number of accounts requiring passwords



Mobile Risk Management (MRM)

Mobile security, management, monitoring and reporting to help organizations mitigate their risks and effectively maintain and prove compliance in an auditable fashion



Government Heritage

Technology Transfer Program (TTP) and CRADA with NSA for tamper detection and mobile risk management
Recommended by DoD for BlackBerry and Android deployments – required software for STIG compliance



Risk and Compliance

Focus on risk assessment, compromise detection, data loss prevention, compliance and auditability

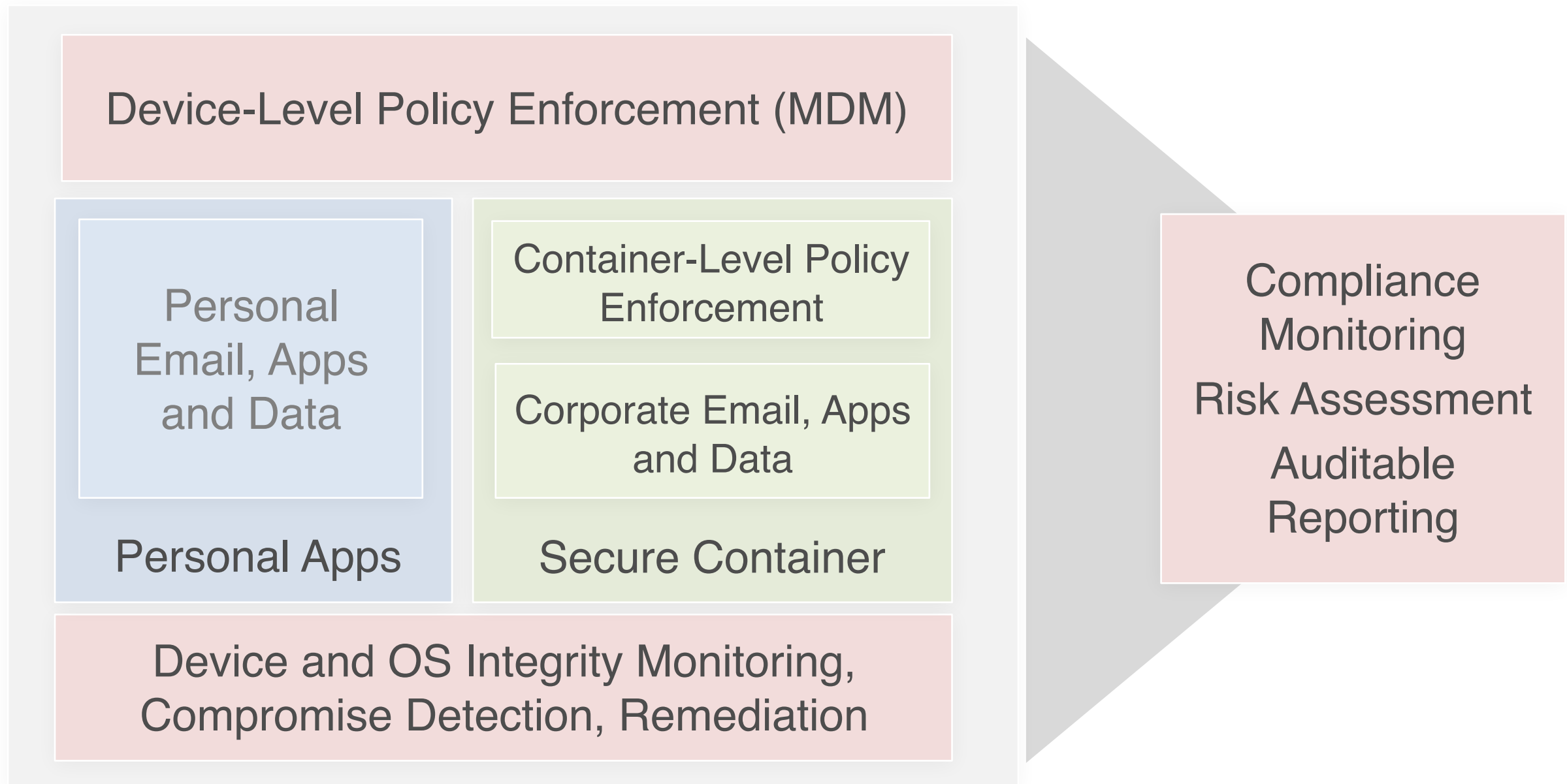


Next Generation Mobility

Designed for emerging risks of mobile computing and the realities of BYOD and the Consumerization of IT

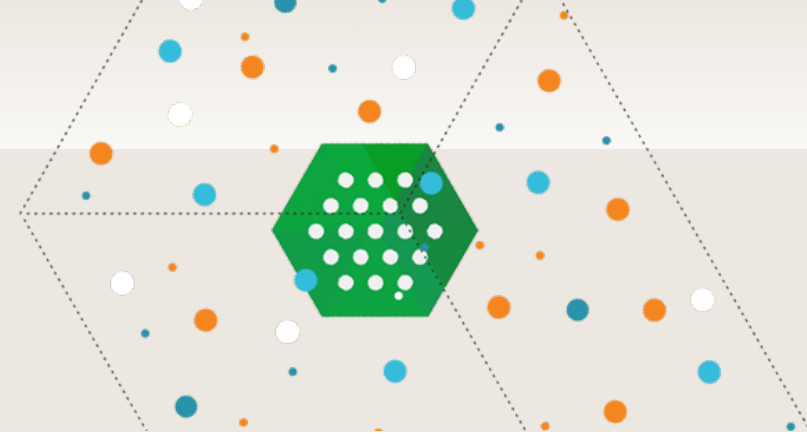


Mobile Risk Management Approach

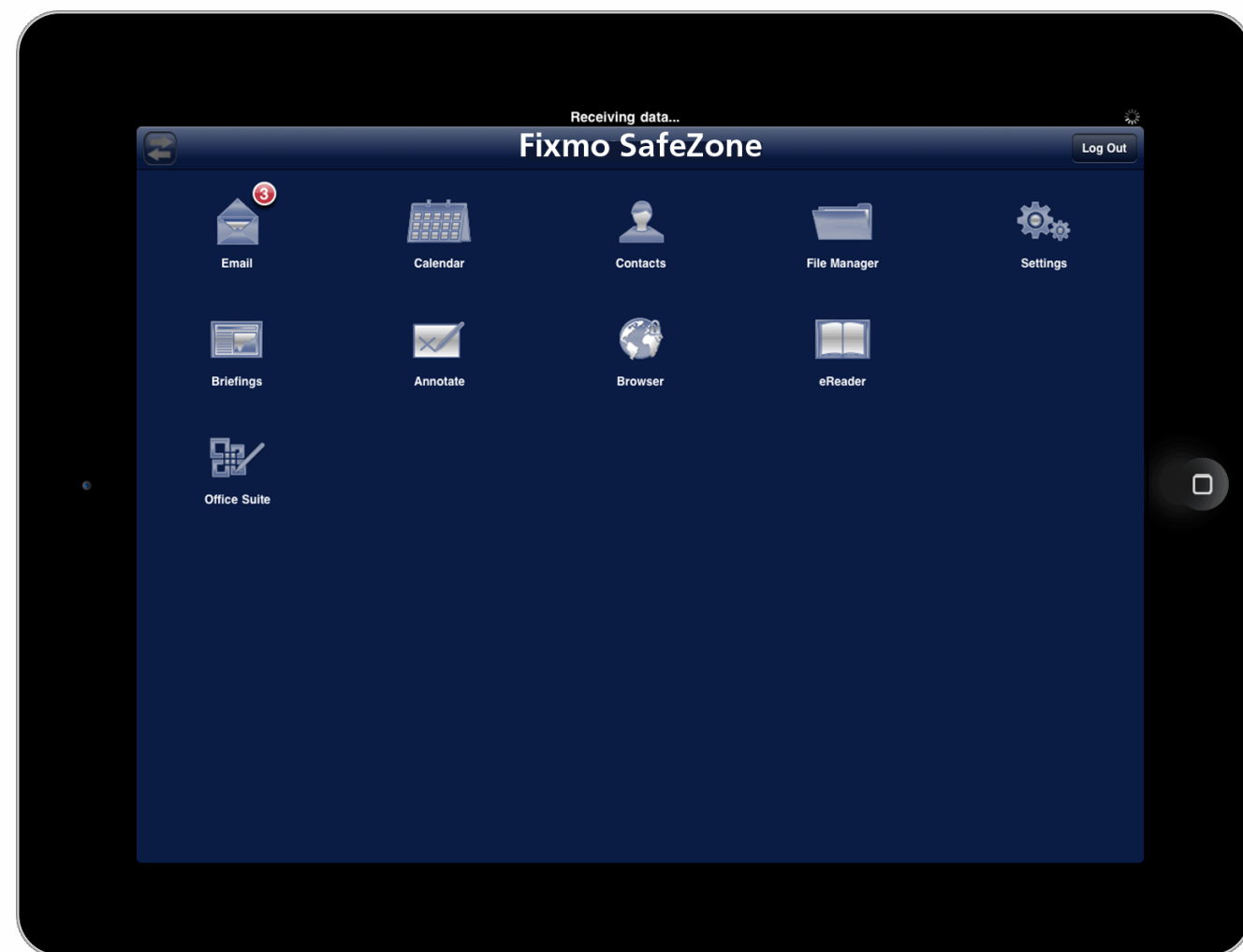
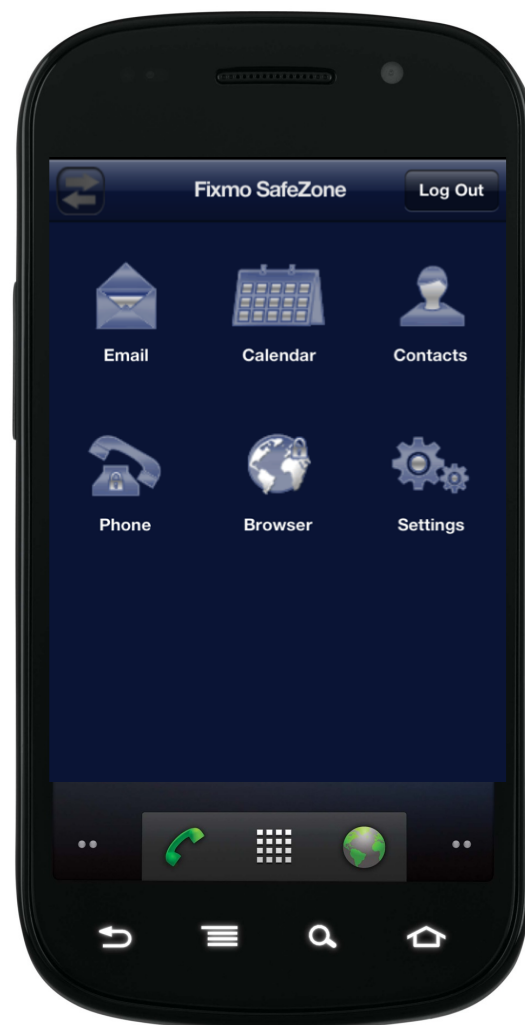


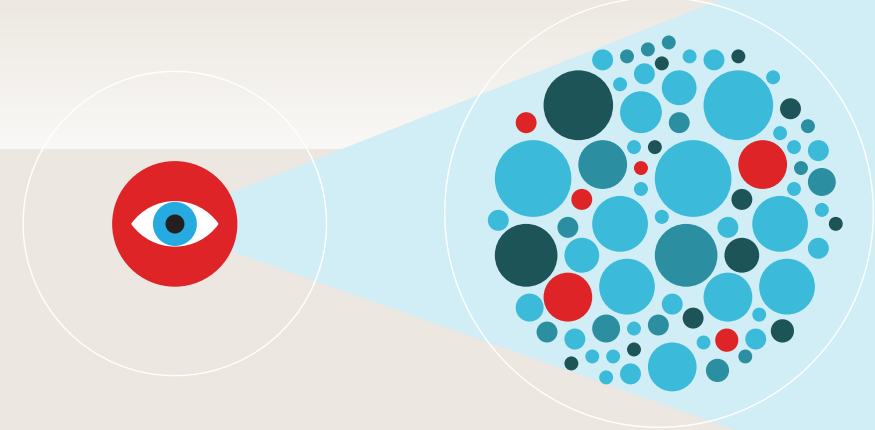


SafeZone: Secure Workspace



Contained and encrypted corporate workspace with IT-managed access controls, usage policies and remote commands





Predictive, transparent and adaptive risk management and data protection

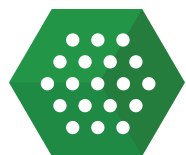


Risk Assessment & Vulnerability Detection

Automated risk assessment for quantifying and tracking risk
Advanced on-device integrity engine to:

- Detect and prevent known threats and vulnerabilities
- Detect state changes that may put the device at risk

Centralized risk intelligence and data correlation



Advanced Corporate Data Protection

Comprehensive solutions for protecting corporate data:

- Device-level, container-level and app-level policy controls
 - Integrity-based access controls and policies
 - Corporate data tracking and reporting
 - Adaptive policies with advanced situational awareness
-



Enhanced Auditable Compliance

Auditable compliance reporting for corporate-owned and BYOD:

- Continuous monitoring/reporting against compliance rules
- Detailed forensic data tracking on state of devices, apps, data

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Thank You!

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